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SUBMISSION TYPE: NATURE OF CONVEYANCE:		NEW ASSIGNMENT	NEW ASSIGNMENT ASSIGNMENT		
		ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
KUI GAO			12/12/2016		
JEFFREY M. LINNEN			12/13/2016		
RECEIVING PARTY DA	ТА				
Name:	GEN-PR	OBE INCORPORATED			
Street Address:	10210 G	enetic Center Drive			
Internal Address:	Mail Stop	o #1 / Patent Dept.			
City:	San Dieg	Ĵo			
State/Country:	CALIFO	RNIA			
Postal Code:	92121				
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Property Type		Number			
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ASSIGNMENT

WHEREAS We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

COMPOSITIONS AND METHODS FOR DETECTING OR QUANTIFYING HEPATITIS B VIRUS

for which a provisional United States patent application was filed on November 21, 2016 (Application No. 62/424,956); and,

WHEREAS, Gen-Probe Incorporated, a corporation whose post office address is 10210 Genetic Center Drive, San Diego, California 92121 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to this provisional patent application and any subsequent application filed in any jurisdiction throughout the world claiming priority to this provisional application, and in and to any Letters Patent to be issued upon this provisional application or on an application claiming priority to this provisional application in any jurisdiction throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this provisional application, and to all applications in any worldwide jurisdiction that claim priority to this provisional application, including all divisions and continuations thereof, and all Letters Patent in any worldwide jurisdiction that may be granted thereon, including all reissues, reexaminations, renewals, extensions, and supplemental patent certificates thereof. We have also sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns all rights to claim priority in any worldwide jurisdiction on the basis of the above provisional application. We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

	12/12/2016
Kui Gao	DATE
	12/13/2016
Jeffrey M. Linnen	/DATE

IN TESTIMONY WHEREOF, ASSIGNEE acknowledges this assignment and hereunto signed ASSIGNEE'S name to this Assignment on the date indicated below.

GEN-PROBE INCORPORATED			
By: Charly E. Coppelly	Date:	12.13.16	
Name: CHARLEG B. CAPPELLARI			

Title: AVP, CHIEF JP COULD SEL, DIAGNOSTICS

Page 1 of 1

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PATENT REEL: 058271 FRAME: 0452